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SESSION RESUMED IN FILE 'HOME' AT 16:58:14 ON 10 DEC 2007

FILE 'HOME' ENTERED AT 16:58:14 ON 10 DEC 2007

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:58:23 ON 10 DEC 2007

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STRUCTURE FILE UPDATES: 9 DEC 2007 HIGHEST RN 957198-80-0

DICTIONARY FILE UPDATES: 9 DEC 2007 HIGHEST RN 957198-80-0

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

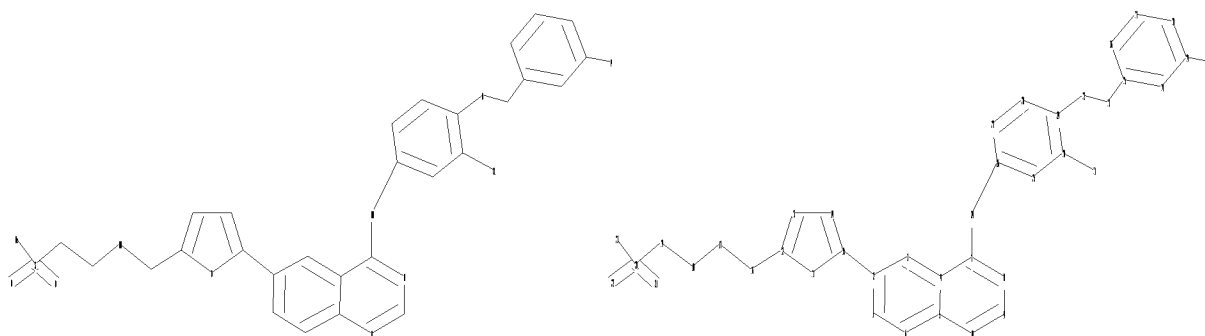
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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10595691.str



```

chain nodes :
16 17 18 19 20 21 22 23 24 31 32 33 40
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 25 26 27 28 29 30 34 35
36 37 38 39
chain bonds :
2-15 7-24 12-16 16-17 17-18 18-19 19-20 20-21 20-22 20-23 24-26 29-32
30-31 32-33 33-35 39-40
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-10 7-8 8-9 9-10 11-12 11-15 12-13 13-14
14-15 25-26 25-30 26-27 27-28 28-29 29-30 34-35 34-39 35-36 36-37 37-38
38-39
exact/norm bonds :
7-24 11-12 11-15 12-13 13-14 14-15 16-17 17-18 19-20 20-21 20-22 24-26
29-32 32-33
exact bonds :
2-15 12-16 18-19 20-23 30-31 33-35 39-40
normalized bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-10 7-8 8-9 9-10 25-26 25-30 26-27 27-28
28-29 29-30 34-35 34-39 35-36 36-37 37-38 38-39

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:Atom 26:Atom 27:Atom
28:Atom 29:Atom 30:Atom 31:CLASS 32:CLASS 33:CLASS 34:Atom 35:Atom 36:Atom
37:Atom 38:Atom 39:Atom 40:CLASS

```

=> s l1
SAMPLE SEARCH INITIATED 16:58:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 4 TO ITERATE

100.0% PROCESSED 4 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 4 TO 200
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss ful
FULL SEARCH INITIATED 16:58:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 100 TO ITERATE

100.0% PROCESSED 100 ITERATIONS 17 ANSWERS
SEARCH TIME: 00.00.01

L3 17 SEA SSS FUL L1

=> s l1 fam ful
FULL SEARCH INITIATED 16:58:56 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 56 TO ITERATE

100.0% PROCESSED 56 ITERATIONS 17 ANSWERS
SEARCH TIME: 00.00.01

L4 17 SEA FAM FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 239.35 239.56

FILE 'CAPLUS' ENTERED AT 16:59:04 ON 10 DEC 2007
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FILE LAST UPDATED: 7 Dec 2007 (20071207/ED)

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<http://www.cas.org/infopolicy.html>

=> s l4

L5 241 L4

=> s 15 and py<=2003
23975029 PY<=2003

L6 20 L5 AND PY<=2003

=> s 16 and head
149373 HEAD
31395 HEADS
164076 HEAD
(HEAD OR HEADS)

L7 4 L6 AND HEAD

=> d 17 ibib abs 1-4

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:2613 CAPLUS

DOCUMENT NUMBER: 140:53400

TITLE: Cancer biomarker expression/activation-based method
for predicting response to HER1/HER2-directed cancer
therapy

INVENTOR(S): Bacus, Sarah S.

PATENT ASSIGNEE(S): Ventana Medical Systems, Inc., USA; Smithkline Beecham
Corporation

SOURCE: PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000101	A2	20031231	WO 2003-US19697	20030619 <--
WO 2004000101	A3	20060908		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003247602	A1	20040106	AU 2003-247602	20030619
PRIORITY APPLN. INFO.:			US 2002-389795P	P 20020619
			US 2002-432811P	P 20021211
			WO 2003-US19697	W 20030619

AB This invention provides methods for determining or predicting response to HER1/HER2-directed cancer therapy in an individual. The methodol. of the invention includes assaying a tumor sample with one or more reagents that detect expression and/or activation of predictive biomarkers for cancer, e.g. growth factor receptors, growth factor receptor ligands, and growth factor receptor-related downstream signaling mols.

L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:2612 CAPLUS

DOCUMENT NUMBER: 140:53399

TITLE: Predictive markers in cancer therapy

INVENTOR(S): Bacus, Sarah S.; Herrle, Myra R.; Kirk, L. Edward;
Spector, Neil L.; Stocum, Michael T.; Xia, Wenle

PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
 SOURCE: PCT Int. Appl., 54 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000094	A2	20031231	WO 2003-US12739	20030424 <--
WO 2004000094	A3	20070614		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, AP, EA, EP, OA			
AU 2003235470	A1	20040106	AU 2003-235470	20030424
EP 1810034	A2	20070725	EP 2003-724213	20030424
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LI, LU, MC, NL, PT, RO, SE, SI, SK, TR, LT, LV			
US 2006094068	A1	20060504	US 2005-529922	20050330
PRIORITY APPLN. INFO.:			US 2002-389795P	P 20020619
			US 2002-432811P	P 20021211
			US 2002-432943P	P 20021211
			US 2003-451978P	P 20030303
			WO 2003-US12739	W 20030424

AB Mol. markers useful in medicine response tests are provided, as an aid in determining whether an individual subject's tumor is responding to treatment with EGF and/or erbB2 inhibitors. Markers include phosphorylated ERK protein.

L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:668812 CAPLUS

DOCUMENT NUMBER: 138:280796

TITLE: Anti-tumor activity of GW572016: a dual tyrosine kinase inhibitor blocks EGF activation of EGFR/erbB2 and downstream Erk1/2 and AKT pathways

AUTHOR(S): Xia, Wenle; Mullin, Robert J.; Keith, Barry R.; Liu, Lei-Hua; Ma, Hong; Rusnak, David W.; Owens, Gary; Alligood, Krystal J.; Spector, Neil L.

CORPORATE SOURCE: GlaxoSmithKline, Department of Discovery Medicine, Research Triangle Park, North Carolina, NC, 27709-3398, USA

SOURCE: Oncogene (2002), 21(41), 6255-6263
 CODEN: ONCNES; ISSN: 0950-9232

PUBLISHER: Nature Publishing Group

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Dual EGFR/erbB2 inhibition is an attractive therapeutic strategy for epithelial tumors, as ligand-induced erbB2/EGFR heterodimerization triggers potent proliferative and survival signals. Here we show that a small mol., GW572016, potently inhibits both EGFR and erbB2 tyrosine kinases leading to growth arrest and/or apoptosis in EGFR and erbB2-dependent tumor cell lines. GW572016 markedly reduced tyrosine phosphorylation of EGFR and erbB2, and inhibited activation of Erk1/2 and

AKT, downstream effectors of proliferation and cell survival, resp. Complete inhibition of activated AKT in erbB2 overexpressing cells correlated with a 23-fold increase in apoptosis compared with vehicle controls. EGF, often elevated in cancer patients, did not reverse the inhibitory effects of GW572016. These observations were reproduced in vivo, where GW572016 treatment inhibited activation of EGFR, erbB2, Erk1/2 and AKT in human tumor xenografts. Erk1/2 and AKT represent potential biomarkers to assess the clin. activity of GW572016. Inhibition of activated AKT in EGFR or erbB2-dependent tumors by GW572016 may lead to tumor regressions when used as a monotherapy, or may enhance the anti-tumor activity of chemotherapeutics, since constitutive activation of AKT has been linked to chemo-resistance.

REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:555376 CAPLUS

DOCUMENT NUMBER: 137:119644

TITLE: 4-Quinazolineamine derivative combination with other antineoplastic agent for cancer treatment, and compound preparation.

INVENTOR(S): Lackey, Karen Elizabeth; Spector, Neil; Wood, Edgar Raymond, III; Xia, Wenle

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 57 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002056912	A2	20020725	WO 2002-US1130	20020114 <--
WO 2002056912	A3	20030522		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2002236765	A1	20020730	AU 2002-236765	20020114 <--
EP 1353693	A2	20031022	EP 2002-703127	20020114 <--
EP 1353693	B1	20050316		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2004523522	T	20040805	JP 2002-557419	20020114
EP 1488809	A1	20041222	EP 2004-77577	20020114
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EP 1512413	A2	20050309	EP 2004-78283	20020114
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR			
AT 290882	T	20050415	AT 2002-703127	20020114
ES 2236481	T3	20050716	ES 2002-2703127	20020114
US 2004053946	A1	20040318	US 2003-466290	20030715
US 7141576	B2	20061128		
US 2007148261	A1	20070628	US 2006-548413	20061011

PRIORITY APPLN. INFO.: US 2001-262402P P 20010116
EP 2002-703127 A3 20020114
WO 2002-US1130 W 20020114
US 2003-466290 A1 20030715

OTHER SOURCE(S): MARPAT 137:119644

AB A method of treating cancer is described which includes administration of a 4-quinazolineamine (preparation included) and at least one other antineoplastic agent. Also described is a pharmaceutical combination including the 4-quinazolineamines.

=> s 17 and akt
14934 AKT
27 AKTS
14947 AKT
(AKT OR AKTS)
L8 4 L7 AND AKT

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	27.22	266.78

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.12	-3.12

STN INTERNATIONAL LOGOFF AT 17:11:27 ON 10 DEC 2007

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NEWS 4 JUL 02	CHEMCATS accession numbers revised
NEWS 5 JUL 02	CA/CAPplus enhanced with utility model patents from China
NEWS 6 JUL 16	CA/CAPplus enhanced with French and German abstracts
NEWS 7 JUL 18	CA/CAPplus patent coverage enhanced
NEWS 8 JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9 JUL 30	USGENE now available on STN
NEWS 10 AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 11 AUG 06	FSTA enhanced with new thesaurus edition
NEWS 12 AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS 13 AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records

NEWS 14 AUG 27 Full-text patent databases enhanced with predefined
patent family display formats from INPADOCDB

NEWS 15 AUG 27 USPATOLD now available on STN

NEWS 16 AUG 28 CAS REGISTRY enhanced with additional experimental
spectral property data

NEWS 17 SEP 07 STN AnaVist, Version 2.0, now available with Derwent
World Patents Index

NEWS 18 SEP 13 FORIS renamed to SOFIS

NEWS 19 SEP 13 INPADOCDB enhanced with monthly SDI frequency

NEWS 20 SEP 17 CA/CAPLUS enhanced with printed CA page images from
1967-1998

NEWS 21 SEP 17 CAPLUS coverage extended to include traditional medicine
patents

NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements

NEWS 23 OCT 02 CA/CAPLUS enhanced with pre-1907 records from Chemisches
Zentralblatt

NEWS 24 OCT 19 BEILSTEIN updated with new compounds

NEWS 25 NOV 15 Derwent Indian patent publication number format enhanced

NEWS 26 NOV 19 WPIX enhanced with XML display format

NEWS 27 NOV 30 ICSD reloaded with enhancements

NEWS 28 DEC 04 LINPADOCDB now available on STN

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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FILE 'HOME' ENTERED AT 17:28:10 ON 10 DEC 2007

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Uploading

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Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND
command can only be used to look at the index in a file which has an
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 17:28:19 ON 10 DEC 2007

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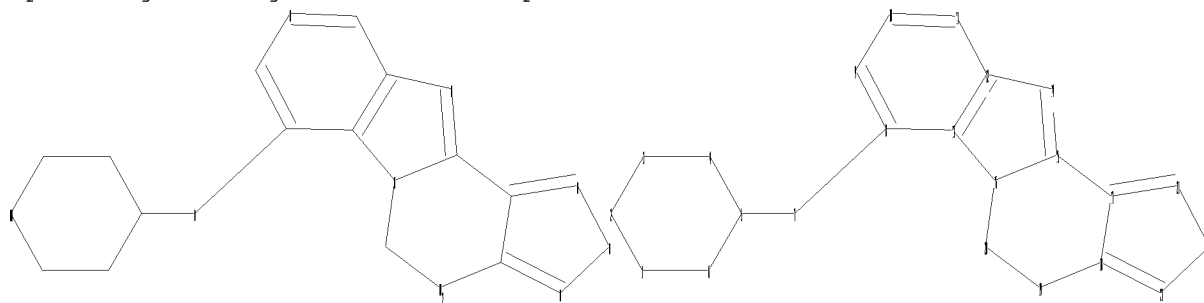
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predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
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chain nodes :
7
ring nodes :
1 2 3 4 5 6 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
chain bonds :
5-7 7-8
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13 12-14 13-16
14-15 15-16 15-17 16-20 17-18 17-21 18-19 18-23 19-20 21-22 22-23
exact/norm bonds :
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17-18 17-21 18-19 18-23 19-20 21-22 22-23
normalized bonds :
8-9 8-13 9-10 10-11 11-12 12-13

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom

L1 STRUCTURE UPLOADED

=> s l1 sss ful

FULL SEARCH INITIATED 17:28:36 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

STN INTERNATIONAL LOGOFF AT 17:28:56 ON 10 DEC 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

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Zentralblatt

NEWS 24 OCT 19 BEILSTEIN updated with new compounds

NEWS 25 NOV 15 Derwent Indian patent publication number format enhanced

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NEWS 27 NOV 30 ICSD reloaded with enhancements

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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DICTIONARY FILE UPDATES: 9 DEC 2007 HIGHEST RN 957198-80-0

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

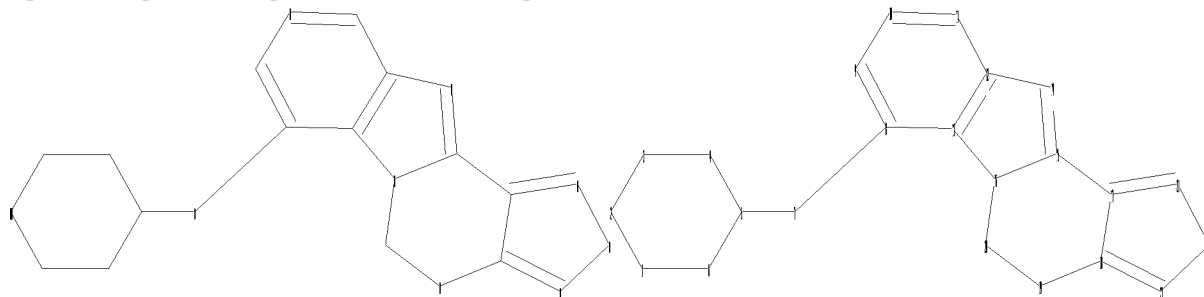
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experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10595691b.str



chain nodes :

7

ring nodes :

1 2 3 4 5 6 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

chain bonds :

5-7 7-8

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-13 9-10 10-11 11-12 12-13 12-14 13-16

14-15 15-16 15-17 16-20 17-18 17-21 18-19 18-23 19-20 21-22 22-23

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 7-8 12-14 13-16 14-15 15-16 15-17 16-20

17-18 17-21 18-19 18-23 19-20 21-22 22-23

normalized bonds :

8-9 8-13 9-10 10-11 11-12 12-13

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom

11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom

20:Atom 21:Atom 22:Atom 23:Atom

L1 STRUCTURE UPLOADED

=> s l1 sss ful

FULL SEARCH INITIATED 17:53:36 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L2 0 SEA SSS FUL L1

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

177.05

177.26

STN INTERNATIONAL LOGOFF AT 18:00:33 ON 10 DEC 2007

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NEWS	3	JUL 02	SCISEARCH enhanced with complete author names
NEWS	4	JUL 02	CHEMCATS accession numbers revised
NEWS	5	JUL 02	CA/CAPplus enhanced with utility model patents from China
NEWS	6	JUL 16	CAPplus enhanced with French and German abstracts
NEWS	7	JUL 18	CA/CAPplus patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
NEWS	10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	11	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	12	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	13	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS	14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	15	AUG 27	USPATOLD now available on STN
NEWS	16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	18	SEP 13	FORIS renamed to SOFIS
NEWS	19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	20	SEP 17	CA/CAPplus enhanced with printed CA page images from 1967-1998
NEWS	21	SEP 17	CAPplus coverage extended to include traditional medicine patents
NEWS	22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	23	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	24	OCT 19	BEILSTEIN updated with new compounds
NEWS	25	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	26	NOV 19	WPIX enhanced with XML display format
NEWS	27	NOV 30	ICSD reloaded with enhancements
NEWS	28	DEC 04	LINPADOCDB now available on STN
NEWS EXPRESS	19	SEPTEMBER 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.
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=> file registry

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FULL ESTIMATED COST	0.21	0.21

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DICTIONARY FILE UPDATES: 9 DEC 2007 HIGHEST RN 957198-80-0

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<http://www.cas.org/support/stngen/stndoc/properties.html>

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E3	0 -->	GW572016/BI
E4	1	GW63K/BI
E5	4	GW68/BI
E6	2	GW7/BI
E7	1	GW75/BI
E8	3	GWA/BI
E9	1	GWA11/BI
E10	2	GWAL/BI
E11	2	GWALIAR/BI
E12	1	GWANGYANGENSIS/BI

=>

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NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JUL 02	LMEDLINE coverage updated
NEWS	3	JUL 02	SCISEARCH enhanced with complete author names
NEWS	4	JUL 02	CHEMCATS accession numbers revised
NEWS	5	JUL 02	CA/CAPplus enhanced with utility model patents from China
NEWS	6	JUL 16	CAPplus enhanced with French and German abstracts
NEWS	7	JUL 18	CA/CAPplus patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
NEWS	10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	11	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	12	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	13	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS	14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	15	AUG 27	USPATOLD now available on STN
NEWS	16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	18	SEP 13	FORIS renamed to SOFIS
NEWS	19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	20	SEP 17	CA/CAPplus enhanced with printed CA page images from 1967-1998
NEWS	21	SEP 17	CAPplus coverage extended to include traditional medicine patents
NEWS	22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	23	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	24	OCT 19	BEILSTEIN updated with new compounds
NEWS	25	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	26	NOV 19	WPIX enhanced with XML display format
NEWS	27	NOV 30	ICSD reloaded with enhancements
NEWS	28	DEC 04	LINPADOCDB now available on STN
NEWS EXPRESS	19	SEPTEMBER 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.
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=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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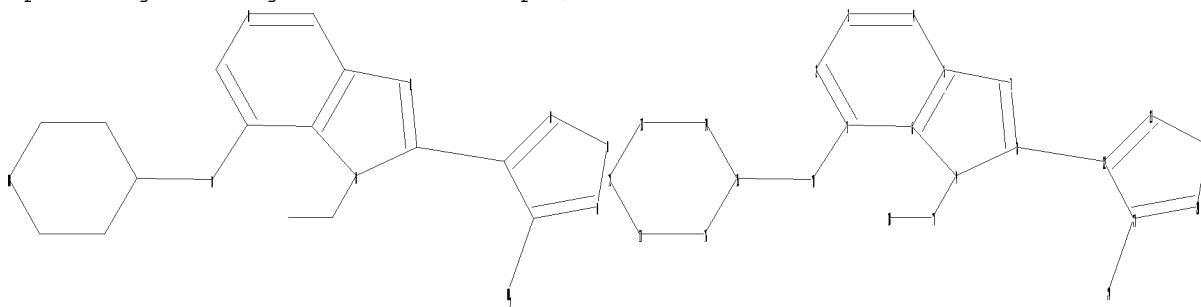
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=>

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chain nodes :

10 17 18 24

ring nodes :


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1  2  3  4  5  6  7  8  9  11  12  13  14  15  16  19  20  21  22  23
chain bonds :
1-10  8-22  9-17  10-15  17-18  21-24
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-9  7-8  8-9  11-12  11-16  12-13  13-14  14-15
  15-16  19-20  19-23  20-21  21-22  22-23
exact/norm bonds :
1-10  5-7  6-9  7-8  8-9  9-17  10-15  11-12  11-16  12-13  13-14  14-15  15-16
19-20  19-23  20-21  21-22  21-24  22-23
exact bonds :
8-22  17-18
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS

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L1 STRUCTURE UPLOADED

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=> s l1 sss ful
FULL SEARCH INITIATED 06:52:59 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       3405 TO ITERATE

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100.0% PROCESSED       3405 ITERATIONS                   5 ANSWERS
SEARCH TIME: 00.00.01

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L2 5 SEA SSS FUL L1

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=> file caplus
COST IN U.S. DOLLARS                   SINCE FILE       TOTAL
                                          ENTRY       SESSION
FULL ESTIMATED COST                   172.10       172.31

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FILE COVERS 1907 - 11 Dec 2007  VOL 147 ISS 25
FILE LAST UPDATED: 10 Dec 2007  (20071210/ED)

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=> s 12

L3 3 L2

=> d 13

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:451189 CAPLUS
DN 142:476214
TI Erb family inhibitor and PI3K and/or Akt inhibitor for cancer treatment
IN Dev, Inderjit Jumar; Gilmer, Tana Morgan; Rhodes, Clifford Nelson, III;
Tansik, Robert L.
PA Smithkline Beecham Corporation, USA
SO PCT Int. Appl., 111 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2005046678	A1	20050526	WO 2004-US37027	20041105
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	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1682123	A1	20060726	EP 2004-810446	20041105
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR, IS				
	JP 2007510667	T	20070426	JP 2006-538522	20041105
	US 2007161665	A1	20070712	US 2006-595691	20060505
PRAI	US 2003-518212P	P	20031107		
	WO 2004-US37027	W	20041105		
OS	MARPAT 142:476214				

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 13 ibib abs1-3

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CLASS ----- IPC, NCL, ECLA, FTERM
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
FAM ----- AN, PI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications

MAX ----- ALL, plus Patent FAM, RE
 PATS ----- PI, SO
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 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
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 e.g., D SCAN or DISPLAY SCAN)
 STD ----- BIB, CLASS

 IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
 IMAX ----- MAX, indented with text labels
 ISTD ----- STD, indented with text labels

 OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

 HIT ----- Fields containing hit terms
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms
 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
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=> d l3 ibib abs 1-3

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:451189 CAPLUS
 DOCUMENT NUMBER: 142:476214
 TITLE: Erb family inhibitor and PI3K and/or Akt inhibitor for
 cancer treatment
 INVENTOR(S): Dev, Inderjit Jumar; Gilmer, Tana Morgan; Rhodes,
 Cliford Nelson, III; Tansik, Robert L.
 PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
 SOURCE: PCT Int. Appl., 111 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005046678	A1	20050526	WO 2004-US37027	20041105
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
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US 2007161665	A1	20070712	US 2006-595691	20060505
PRIORITY APPLN. INFO.:			US 2003-518212P	P 20031107
			WO 2004-US37027	W 20041105

OTHER SOURCE(S): MARPAT 142:476214

AB The invention discloses a method for treating cancer in a mammal, as well as pharmaceutical combinations useful in such treatment. In particular, the method relates to a cancer treatment method that includes administering an erb family inhibitor and a PI3K and/or Akt inhibitor to a mammal suffering from a cancer. Preparation of inhibitors is described.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:120747 CAPLUS

DOCUMENT NUMBER: 142:219283

TITLE: Preparation of 1H-imidazo[4,5-c]pyridin-2-yl derivatives as inhibitors of Akt activity

INVENTOR(S): Heerding, Dirk A.; Clark, Tammy J.; Drewry, David H.; Leber, Jack Dale; Safonov, Igor; Yamashita, Dennis S.

PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA

SOURCE: PCT Int. Appl., 212 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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			US 2003-493101P	P 20030806
			US 2003-494752P	P 20030813
			US 2003-507014P	P 20030929
			US 2003-530847P	P 20031218
			WO 2004-US24340	W 20040728
OTHER SOURCE(S):			MARPAT 142:219283	
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [wherein Het = 4-furazan-3-yl, 4-pyridinyl, 2-aminopyridin-4-yl, 2-amino-pyrimidin-5-yl, etc.; R1 = H, (un)substituted alkyl, cycloalkyl containing 1-4 heteroatoms; R4 = H, halo, (un)substituted alkyl, cycloalkyl, poly/cyclic aromatic ring; R7 = H, CONR9R10 and derivs., SO2NR9R10 and derivs., N(CH2)mNR9R10etc.; m = 6, where the carbon chain formed by m is optionally substituted; R9, R10 = independently H, (un)substituted alkyl, cycloalkyl etc.; with the exception of one compound; and their pharmaceutically acceptable salts, hydrates, solvates, and prodrugs] were prepared as inhibitors of protein kinase B activity. For example, II•xTFA was prepared via cyclocondensation of N-(1-Benzylpiperidin-4-yl)-2-chloropyridin-3,4-diamine (preparation given) with Et cyanoacetate, followed by Pd-coupling with Ph boronic acid, reaction with NaNO2 and NH2OH of acetonitrile intermediate, and Bn-deprotection. In an Akt inhibitory activity assay, III displayed IC50 values of 0.069, 0.038, and 0.032, against delta-PH domain of Akt1, Akt2, and Akt3, resp. Thus, I are useful in the treatment of cancer and arthritis (no data).

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:777793 CAPLUS

DOCUMENT NUMBER: 139:292251

TITLE: Preparation of imidazopyridines as kinase inhibitors

INVENTOR(S): Bailey, Nicholas; Bamford, Mark James; Garland, Stephen; Goodman, Krista B.; Haifeng, Cui; Hilfiker, Mark A.; Lee, Dennis; Panchal, Terence Aaron; Stavenger, Robert A.; Wilson, David Matthew; Witherington, Jason

PATENT ASSIGNEE(S): Glaxo Group Limited, UK

SOURCE: PCT Int. Appl., 187 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

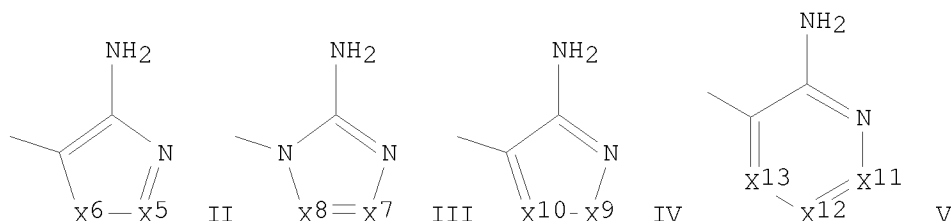
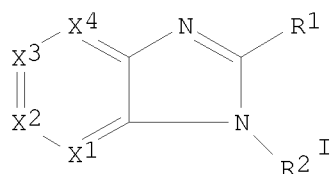
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003080610	A1	20031002	WO 2003-GB1205	20030321
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
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EP 1490367	A1	20041229	EP 2003-744904	20030321
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
JP 2005526802	T	20050908	JP 2003-578364	20030321
US 2005197328	A1	20050908	US 2004-508760	20040922
PRIORITY APPLN. INFO.:			GB 2002-6860	A 20020322
			WO 2003-GB1205	W 20030321
OTHER SOURCE(S):	MARPAT 139:292251			
GI				



AB This patent concerns imidazopyridines (shown as I; variables defined below; e.g. 4-(1-ethyl-1H-imidazo[4,5-c]pyridin-2-yl)furazan-3-ylamine) and physiol. acceptable salts and or N-oxides thereof, processes for their preparation, pharmaceutical compns. containing them and their use in medicine.

For

I, X1 is N or CR3; X2 is N or CR4; X3 is N or CR5; X4 is N or CR6 with the proviso that at least one but not more than two of X1, X2, X3 and X4 = N; R1 is a 5-, or 6-membered heterocyclic group II, III, IV or V wherein X5 is a N or CR7; and X6 is a O, S or NR8; X7 and X8, which may be the same or different is a N or CR9; X9 is a O, S or NR8 and X10 is N or CR10; X11, X12 and X13 may be the same or different and = N or R11; addnl. details are given in the claims. For Rho-kinase (ROCK) activity the compds. I of the examples have a pIC50 of 9 to 5.2; for mitogen and stress activated protein kinase-1 (Msk-1) activity the compds. I of the examples have a pIC50 value of 9.28-5.15. The compds. I are essentially non-toxic at therapeutically useful doses; thus no adverse effects were observed when compds. of the invention were administered to rats at a dose of 100 mg/kg.

Although no specific therapeutic applications are claimed, because of the inhibition by I of Msk-1, I should be useful for the treatment or prophylaxis of disorders associated with neuronal degeneration resulting from ischemic events or inflammatory conditions, e.g. cerebral stroke; also, because of the inhibition by I of Rho kinases, I should be useful for the treatment or prophylaxis of cardiovascular and neuroinflammatory diseases. More than 300 example prepsns. and/or characterization data for I are included. For example, [4-(1-ethyl-1H-imidazo[4,5-c]pyridin-2-yl)furazan-3-yl]amine was prepared in 4 steps (88, 94, 37 and 43 % yields, resp.) starting from 4-methoxy-3-nitropyridine hydrochloride and ethylamine and involving intermediates ethyl(3-nitropyridin-4-yl)amine, N'-ethylpyridine-3,4-diamine and (1-ethyl-1H-imidazo[4,5-c]pyridin-2-yl)acetonitrile.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 06:52:27 ON 11 DEC 2007)

FILE 'REGISTRY' ENTERED AT 06:52:37 ON 11 DEC 2007

L1 STRUCTURE UPLOADED
L2 5 S L1 SSS FUL

FILE 'CAPLUS' ENTERED AT 06:53:06 ON 11 DEC 2007

L3 3 S L2

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	12.49	184.80
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.34	-2.34

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 06:56:26 ON 11 DEC 2007

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1	Web Page for STN Seminar Schedule - N. America
NEWS	2 JUL 02	LMEDLINE coverage updated
NEWS	3 JUL 02	SCISEARCH enhanced with complete author names
NEWS	4 JUL 02	CHEMCATS accession numbers revised
NEWS	5 JUL 02	CA/CAPLUS enhanced with utility model patents from China

NEWS 6 JUL 16 CAplus enhanced with French and German abstracts
 NEWS 7 JUL 18 CA/CAplus patent coverage enhanced
 NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
 NEWS 9 JUL 30 USGENE now available on STN
 NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags
 NEWS 11 AUG 06 FSTA enhanced with new thesaurus edition
 NEWS 12 AUG 13 CA/CAplus enhanced with additional kind codes for granted patents
 NEWS 13 AUG 20 CA/CAplus enhanced with CAS indexing in pre-1907 records
 NEWS 14 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
 NEWS 15 AUG 27 USPATOLD now available on STN
 NEWS 16 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
 NEWS 17 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
 NEWS 18 SEP 13 FORIS renamed to SOFIS
 NEWS 19 SEP 13 INPADOCDB enhanced with monthly SDI frequency
 NEWS 20 SEP 17 CA/CAplus enhanced with printed CA page images from 1967-1998
 NEWS 21 SEP 17 CAplus coverage extended to include traditional medicine patents
 NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
 NEWS 23 OCT 02 CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
 NEWS 24 OCT 19 BEILSTEIN updated with new compounds
 NEWS 25 NOV 15 Derwent Indian patent publication number format enhanced
 NEWS 26 NOV 19 WPIX enhanced with XML display format
 NEWS 27 NOV 30 ICSD reloaded with enhancements
 NEWS 28 DEC 04 LINPADOCDB now available on STN

 NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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FILE 'HOME' ENTERED AT 09:59:21 ON 11 DEC 2007

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 DEC 2007 HIGHEST RN 957336-90-2
DICTIONARY FILE UPDATES: 10 DEC 2007 HIGHEST RN 957336-90-2

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

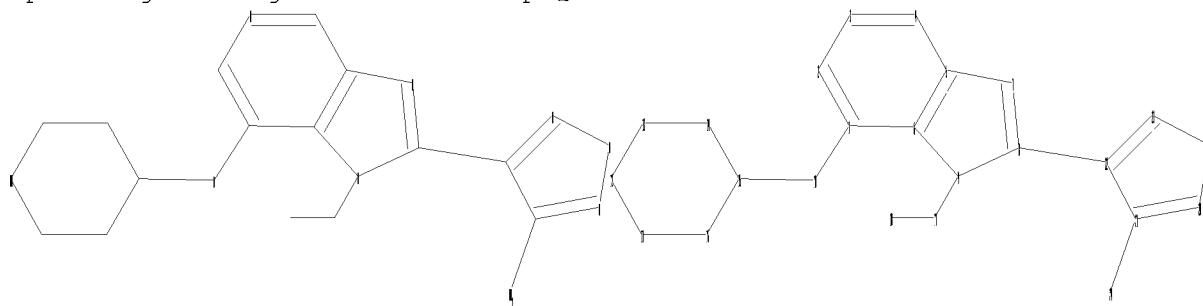
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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

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chain nodes :
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ring nodes :
1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 19 20 21 22 23
chain bonds :
1-10 8-22 9-17 10-15 17-18 21-24
ring bonds :
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normalized bonds :
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Match level :

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11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:Atom
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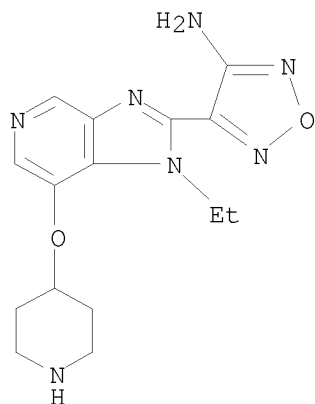
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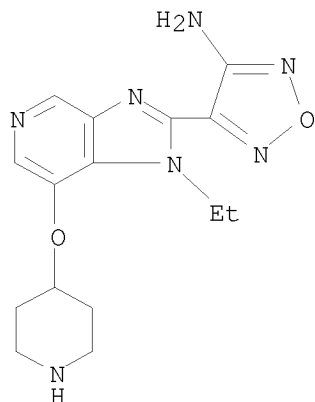
L2 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2007 ACS on STN
RN 852023-81-5 REGISTRY
ED Entered STN: 10 Jun 2005
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MF C15 H19 N7 O2 . 3 Cl H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (607373-68-2)



● 3 HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2007 ACS on STN
RN 607373-68-2 REGISTRY
ED Entered STN: 21 Oct 2003
CN 1,2,5-Oxadiazol-3-amine, 4-[1-ethyl-7-(4-piperidinyloxy)-1H-imidazo[4,5-c]pyridin-2-yl]- (CA INDEX NAME)
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CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
72.05	72.26

FULL ESTIMATED COST

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FILE LAST UPDATED: 10 Dec 2007 (20071210/ED)

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=> s 12
L3 3 L2

=> d 13 ibib abs 1-3

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:451189 CAPLUS
DOCUMENT NUMBER: 142:476214
TITLE: Erb family inhibitor and PI3K and/or Akt inhibitor for

INVENTOR(S): cancer treatment
 Dev, Inderjit Jumar; Gilmer, Tana Morgan; Rhodes,
 Clifford Nelson, III; Tansik, Robert L.
 PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA
 SOURCE: PCT Int. Appl., 111 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005046678	A1	20050526	WO 2004-US37027	20041105
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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JP 2007510667	T	20070426	JP 2006-538522	20041105
US 2007161665	A1	20070712	US 2006-595691	20060505
PRIORITY APPLN. INFO.:			US 2003-518212P	P 20031107
			WO 2004-US37027	W 20041105

OTHER SOURCE(S): MARPAT 142:476214

AB The invention discloses a method for treating cancer in a mammal, as well
 as pharmaceutical combinations useful in such treatment. In particular,
 the method relates to a cancer treatment method that includes
 administering an erb family inhibitor and a PI3K and/or Akt inhibitor to a
 mammal suffering from a cancer. Preparation of inhibitors is described.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:120747 CAPLUS

DOCUMENT NUMBER: 142:219283

TITLE: Preparation of 1H-imidazo[4,5-c]pyridin-2-yl
 derivatives as inhibitors of Akt activity

INVENTOR(S): Heerding, Dirk A.; Clark, Tammy J.; Drewry, David H.;
 Leber, Jack Dale; Safonov, Igor; Yamashita, Dennis S.

PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA

SOURCE: PCT Int. Appl., 212 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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WO 2005011700	A1	20050210	WO 2004-US24340	20040728
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 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
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 SN, TD, TG

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CA 2534038	A1	20050210	CA 2004-2534038	20040728
EP 1653961	A1	20060510	EP 2004-779406	20040728
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BR 2004012993	A	20061003	BR 2004-12993	20040728
CN 1859912	A	20061108	CN 2004-80028355	20040728
JP 2007500709	T	20070118	JP 2006-522030	20040728
IN 2006DN00264	A	20070810	IN 2006-DN264	20060116
MX 2006PA01134	A	20060411	MX 2006-PA1134	20060127
NO 2006000985	A	20060419	NO 2006-985	20060228

PRIORITY APPLN. INFO.:	US 2003-490851P	P	20030729
	US 2003-491055P	P	20030730
	US 2003-493101P	P	20030806
	US 2003-494752P	P	20030813
	US 2003-507014P	P	20030929
	US 2003-530847P	P	20031218
	WO 2004-US24340	W	20040728

OTHER SOURCE(S): MARPAT 142:219283
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [wherein Het = 4-furazan-3-yl, 4-pyridinyl, 2-aminopyridin-4-yl, 2-amino-pyrimidin-5-yl, etc.; R1 = H, (un)substituted alkyl, cycloalkyl containing 1-4 heteroatoms; R4 = H, halo, (un)substituted alkyl, cycloalkyl, poly/cyclic aromatic ring; R7 = H, CONR9R10 and derivs., SO2NR9R10 and derivs., N(CH2)mNR9R10etc.; m = 6, where the carbon chain formed by m is optionally substituted; R9, R10 = independently H, (un)substituted alkyl, cycloalkyl etc.; with the exception of one compound; and their pharmaceutically acceptable salts, hydrates, solvates, and prodrugs] were prepared as inhibitors of protein kinase B activity. For example, II•xTFA was prepared via cyclocondensation of N-(1-Benzylpiperidin-4-yl)-2-chloropyridin-3,4-diamine (preparation given) with Et cyanoacetate, followed by Pd-coupling with Ph boronic acid, reaction with NaNO2 and NH2OH of acetonitrile intermediate, and Bn-deprotection. In an Akt inhibitory activity assay, III displayed IC50 values of 0.069, 0.038, and 0.032, against delta-PH domain of Akt1, Akt2, and Akt3, resp. Thus, I are useful in the treatment of cancer and arthritis (no data).

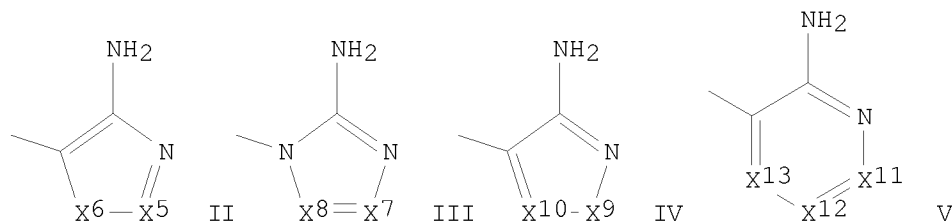
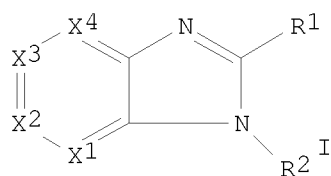
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:777793 CAPLUS
 DOCUMENT NUMBER: 139:292251
 TITLE: Preparation of imidazopyridines as kinase inhibitors
 INVENTOR(S): Bailey, Nicholas; Bamford, Mark James; Garland, Stephen; Goodman, Krista B.; Haifeng, Cui; Hilfiker, Mark A.; Lee, Dennis; Panchal, Terence Aaron; Stavenger, Robert A.; Wilson, David Matthew; Witherington, Jason

PATENT ASSIGNEE(S): Glaxo Group Limited, UK
 SOURCE: PCT Int. Appl., 187 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003080610	A1	20031002	WO 2003-GB1205	20030321
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003215753	A1	20031008	AU 2003-215753	20030321
EP 1490367	A1	20041229	EP 2003-744904	20030321
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2005526802	T	20050908	JP 2003-578364	20030321
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PRIORITY APPLN. INFO.:			GB 2002-6860	A 20020322
			WO 2003-GB1205	W 20030321

OTHER SOURCE(S): MARPAT 139:292251
 GI



AB This patent concerns imidazopyridines (shown as I; variables defined below; e.g. 4-(1-ethyl-1H-imidazo[4,5-c]pyridin-2-yl)furazan-3-ylamine) and physiol. acceptable salts and or N-oxides thereof, processes for their preparation, pharmaceutical compns. containing them and their use in medicine.

For

I, X1 is N or CR3; X2 is N or CR4; X3 is N or CR5; X4 is N or CR6 with the proviso that at least one but not more than two of X1, X2, X3 and X4 = N; R1 is a 5-, or 6-membered heterocyclic group II, III, IV or V wherein X5

is a N or CR7; and X6 is a O, S or NR8; X7 and X8, which may be the same or different is a N or CR9; X9 is a O, S or NR8 and X10 is N or CR10; X11, X12 and X13 may be the same or different and = N or R11; addnl. details are given in the claims. For Rho-kinase (ROCK) activity the compds. I of the examples have a pIC50 of 9 to 5.2; for mitogen and stress activated protein kinase-1 (Msk-1) activity the compds. I of the examples have a pIC50 value of 9.28-5.15. The compds. I are essentially non-toxic at therapeutically useful doses; thus no adverse effects were observed when compds. of the invention were administered to rats at a dose of 100 mg/kg. Although no specific therapeutic applications are claimed, because of the inhibition by I of Msk-1, I should be useful for the treatment or prophylaxis of disorders associated with neuronal degeneration resulting from ischemic events or inflammatory conditions, e.g. cerebral stroke; also, because of the inhibition by I of Rho kinases, I should be useful for the treatment or prophylaxis of cardiovascular and neuroinflammatory diseases. More than 300 example prepns. and/or characterization data for I are included. For example, [4-(1-ethyl-1H-imidazo[4,5-c]pyridin-2-yl)furazan-3-yl]amine was prepared in 4 steps (88, 94, 37 and 43 % yields, resp.) starting from 4-methoxy-3-nitropyridine hydrochloride and ethylamine and involving intermediates ethyl(3-nitropyridin-4-yl)amine, N'-ethylpyridine-3,4-diamine and (1-ethyl-1H-imidazo[4,5-c]pyridin-2-yl)acetonitrile.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
14.60	86.86

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-2.34	-2.34

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